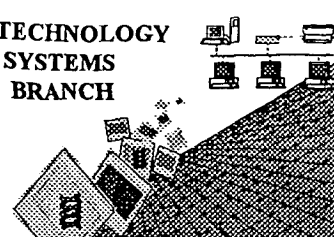


ep

BIOTECHNOLOGY  
SYSTEMS  
BRANCH**RAW SEQUENCE LISTING**  
**ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/632,436  
Source: O/PE  
Date Processed by STIC: 8/12/2003

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER** **VERSION 4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

**<http://www.uspto.gov/web/offices/pac/checker>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<**<http://www.uspto.gov/ebc/efs/downloads/documents.htm>**> , EFS Submission User Manual - ePAVE)

2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

3. Hand Carry directly to:

U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202

Or

U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 04/24/2003



OICE

## RAW SEQUENCE LISTING

DATE: 08/12/2003

PATENT APPLICATION: US/10/632,436

TIME: 07:36:27

Input Set : E:\MSU\_Seqlisting\_CR\_Format.txt

Output Set: N:\CRF4\08122003\J632436.raw

3 <110> APPLICANT: Michael F. Thomashow  
 4 Sarah George Fowler  
 5 Jonathan Vogel  
 6 Daniel Zarka  
 8 <120> TITLE OF INVENTION: Transcription Factors to Improve Plant Stress Tolerance  
 10 <130> FILE REFERENCE: 21835-00004  
 12 <140> CURRENT APPLICATION NUMBER: US/10/632,436  
 12 <141> CURRENT FILING DATE: 2003-08-01  
 12 <150> PRIOR APPLICATION NUMBER: 60/400,777  
 W--> 14 <151> PRIOR FILING DATE: August 2, 2002 2002-08-02 ← use this date format  
 16 <160> NUMBER OF SEQ ID NOS: 2

## ERRORED SEQUENCES

57 <210> SEQ ID NO: 2  
 58 <211> LENGTH: 1308 816 shown below  
 59 <212> TYPE: DNA  
 60 <213> ORGANISM: Arabidopsis thaliana  
 W--> 61 <220> FEATURE:  
 W--> 62 <221> NAME/KEY:  
 63 <222> LOCATION:  
 64 <223> OTHER INFORMATION: This is a cDNA sequence derived from mRNA encoding the  
 putative zinc-  
 65 finger protein Zat12 (locus tag: At5g59820). The Zat12 coding sequence consists  
 66 of nucleotides 102 through 590 as numbered below.  
 68 <400> SEQUENCE: 2  
 70 atcatcacaa ctactatcac accaaactca aaaaacacaa accacaagag gatcatttca 60  
 71 tttttttattg ttttcgtttta atcatcatca tcagaagaaa aatgggttgcg atatcggaga 120  
 72 tcaagtcgac ggtggatgac acggcggcga attggttgat gcttttatct agagttggac 180  
 73 aagaaaacgt tgacggtggc gatcaaaaac gcgttttcac atgtaaaacg tgtttgaagc 240  
 74 agtttcatc gttccaagcc ttaggaggtc accgtgagag tcacaagaag cctaacaacg 300  
 75 acgctttgtc gtctggattg atgaagaagg tgaaaacgct gtcgcatact tgtcccatat 360  
 76 gtggagtga gtttccgatg ggacaagctt tgggaggaca catgaggaga cacaggaacg 420  
 77 agagtggggc tgctggtggc gcgttggtta cacgcgcttt gttgccggag cccacggtga 480  
 78 ctacgttgaa gaaatctagc agtggaaga gagtggcttg tttggatctg agtctaggga 540  
 79 tgggtggacaa tttgaatctc aagttggagc ttggaagaac agtttattga ttttatttat 600  
 80 tttccttaaa ttttctgaat atatttggtt ctctcattct ttgaattttt cttaatattc 660  
 81 tagattatac atacatccgc agatttagga aactttcata gagtgtaatc ttttctttct 720  
 82 gtaaaaatat attttacttg tagcattgga gatttggtat gagattatct tacttagcat 780  
 E--> 83 ttagtgaata atctattagc ctattttgcc gacgtg 816

Does Not Comply  
 Corrected Diskette Needed

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/632,436

DATE: 08/12/2003  
TIME: 07:36:28

Input Set : E:\MSU\_Seqlisting\_CR\_Format.txt  
Output Set: N:\CRF4\08122003\J632436.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 26  
Seq#:2; Line(s) 65

## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/632,436

DATE: 08/12/2003

TIME: 07:36:28

Input Set : E:\MSU\_Seqlisting\_CR\_Format.txt

Output Set: N:\CRF4\08122003\J632436.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No  
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:14 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:24 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1  
L:61 M:283 W: Missing Blank Line separator, <220> field identifier  
L:62 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:2  
L:83 M:252 E: No. of Seq. differs, <211> LENGTH:Input:1308 Found:816 SEQ:2